

**RECEIVED  
CENTRAL FAX CENTER**

Amendment Dated April 29, 2008  
Serial No. 10/617,192

APR 29 2008

IN THE CLAIMS

Claim 1. (Previously Presented) A network device that is able to be remotely interfaced by a technician proximate the network device after the network device has been once deployed in the field to enable the technician to perform diagnostic operations on the network device to determine an operational status of the network device, the network device containing a local interface to enable the technician to use a wireless control unit to directly communicate wirelessly with the network device from a location proximate the network device, the network device comprising a computer-readable medium containing instructions for controlling at least one processor to implement control logic to:

interface with a central office to receive data and control signals from the central office;

interface with a plurality of network access subscribers to provide network access to the network access subscribers; and

interface with a ~~the~~ wireless control unit to receive control signals from ~~a local~~ ~~the~~ wireless control unit and enable the wireless control unit to perform the diagnostic operations on the network device ~~or to control operation of the network device~~, while the network device is deployed in the field and without requiring the operator to come into direct contact with the network device to perform effect the control or diagnostic operations on the network device.

Claim 2. (Previously Presented) The network device of claim 1, further comprising an optical port to enable the network device to communicate with the central office over an optical communications link.

Claim 3. (Previously Presented) The network device of claim 2, wherein the control logic that interfaces with the a central office enables the network device to communicate over a passive optical network.

Claim 4. (Currently Amended) The network device of claim 1, wherein the control logic that interfaces with the plurality of network access subscribers implements implements digital

Amendment Dated April 29, 2008  
Serial No. 10/617,192

subscriber line access multiplexer functionality to enable the network device to operate as a Digital Subscriber Line Access Multiplexer (DSLAM) for the plurality of network access subscribers which interface with the network device; and

wherein the plurality of network access subscribers interface with the network device over subscriber loops connected to the network device.

**Claim 5. (Previously Presented)** The network device of claim 1, further comprising an internal wireless antenna to receive and transmit wireless signals, or a port to enable the network device to be connected to an external wireless antenna that is to receive and transmit wireless signals, the internal wireless antenna or external wireless antenna working in connection with the control logic to enable the wireless control unit to receive the control signals from the local control unit.

**Claim 6. (Previously Presented)** The network device of claim 5, wherein said network device is configured to provide network access to wireless subscribers via the internal wireless antenna or external wireless antenna.

**Claim 7. (Previously Presented)** The network device of claim 1, further comprising an infrared port to enable the network device to be interfaced via signals transmitted in an infrared portion of the spectrum, or an ultrasonic port to enable the network device to be interfaced via ultrasonic signals, the infrared port or ultrasonic port working in connection with the control logic to enable the wireless control unit to receive the control signals from the local control unit.

**Claim 8. (Previously Presented)** The network device of claim 1, further comprising a packet queue to store packets of data for transmission and a switch fabric to switch packets to the network access subscribers.

**Claim 9. (Currently Amended)** The network device of claim 1, wherein the control logic is further enables the network device to communicate utilizing a first protocol with the central office, and to communicate utilizing a second protocol with the network access subscribers.

Amendment Dated April 29, 2008

Serial No. 10/617,192

Claim 10. (Original) The network device of claim 9, wherein the first protocol is Ethernet, and wherein the second protocol is an xDSL (digital subscriber line) based technology.

Claim 11. (Previously Presented) The network device of claim 1, wherein the control logic is further provides emergency services to the network access subscribers over the interface with the wireless control unit.

Claims 12-24. (Cancelled)